

ONKYO
IMAGINATIVE SIGHT & SOUND

Future Directions
in Home
Entertainment



Audio/Video
Products
2007-2008

Raising the Bar for High-Definition Entertainment

At Onkyo, we're on a mission to show the A/V industry what high-definition home entertainment is really all about. To get the most out of your movies, music, gaming and broadcasting, we blend the best new technologies with renowned Onkyo build quality and audio expertise. The result is an emotive performance from A/V products that remain intuitive and easy to use.

Leading our new A/V receiver range is the impressive home-network entertainment centre, the TX-NR905. Backing it up, with the most advanced A/V processing available, are the high-spec TX-SR875 and TX-SR805. In the popular mid-range category, the TX-SR705 and TX-SR605 are two highly capable receivers to anchor your high-definition movies and music. And rounding out a stellar A/V receiver line-up are our affordable entry-level models, the TX-SR505E and HT-R508.

You are also invited to view the full suite of Onkyo components, such as our quality-focused playback components (p. 13), our speaker systems (p. 20) and our complete range of audiophile hi-fi components (pp. 15-19). As well, you can peruse our superb collection of CD receiver systems (pp. 21-23), along with our home-style components/accessories (pp. 24-26).

CONTENTS

HOME THEATRE COMPONENTS	4-13
VL DIGITAL TECHNOLOGY	14
PURE HI-FI COMPONENTS	15-19
SPEAKER SYSTEMS	20
SEPARATE COLLECTION	21-23
WIRELESS AUDIO TRANSPORT	22
HOME STYLE COMPONENTS	24-25
iPod ACCESSORY	26
GLOSSARY	27
FEATURES	28-29
SPECIFICATIONS	30-31



Invigorating the 2007 A/V Receiver Line-Up— Core Technologies That Make All the Difference

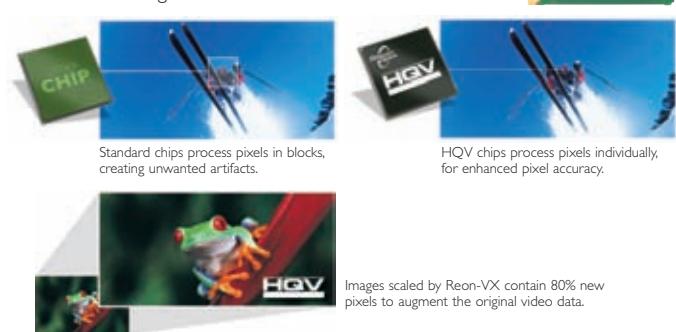
High-Definition Multimedia Interface (HDMI) for Pure Digital Delivery

All the Onkyo A/V receivers released in 2007 incorporate HDMI, enabling a pure, all-digital 1080p video signal to be sent through one connection. Those with the latest version of HDMI (version 1.3a) become powerful control centres for high-definition media. Even multichannel audio—including the studio master quality of the latest Dolby® Digital and DTS® formats (see glossary for definitions)—can be digitally received and processed for up to five channels. HDMI 1.3a will also bring you greater bandwidth, Deep Color™, lip-sync correction and high frame rates.



HQV Reon-VX Chip for High-Performance Video Processing

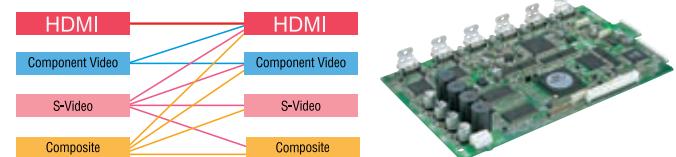
Representing the most sophisticated video processing to be seen in home theatre components, the HQV Reon-VX chip provides the ultimate support for standard definition and high-definition deinterlacing: 1080p reconstruction of film sources; filtering of jaggies and artifacts; and the reduction of random, "mosquito" and block (codec) noise. HQV Reon-VX also enables colour region enhancement and the rendering of more than one billion colours.



Images scaled by Reon-VX contain 80% new pixels to augment the original video data.

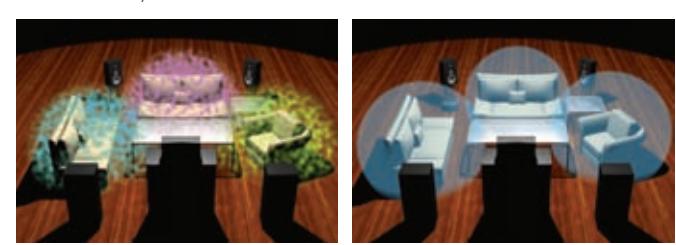
1080p Video Upscaling and Analogue Signal Upconversion

The TX-NR905 and TX-SR875 upscale the resolution of video signals all the way to 1080p, to enable a single HDMI cable connection to a high-definition display. Almost all Onkyo A/V receivers will upconvert video signals for output via either HDMI or component video.



Audyssey Technologies for Room Acoustics Correction

Onkyo A/V receivers use Audyssey's MultiEQ® XT or 2EQ™ to counter distortion in dedicated home theatres. Both solutions focus on frequency response and time domain (where most of the problems lie) across the entire listening area. The results are immediately obvious—a clear, well-balanced and natural sound.



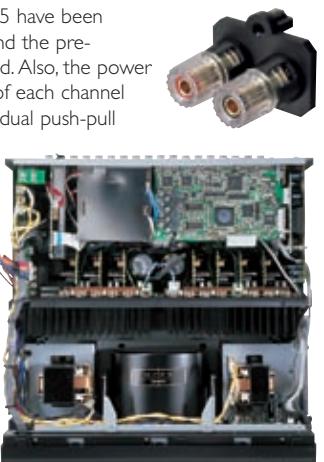
Sound stage is diffuse without Audyssey technologies.



Audyssey technologies create a clearer sound stage.

Fresh Approach to Internal Construction and Amplification Design

The TX-NR905, TX-SR875 and TX-SR805 have been designed so the power amplifier block and the pre-amplifier coexist, but are perfectly isolated. Also, the power supply parts of the left and right stages of each channel are separated. The same receivers use a dual push-pull amplification design with different transistors on each channel to separately amplify the positive and negative halves of the waveform. The whole design works to realise a highly efficient drive capability.



Dual "Push-Pull" Amplification Design with Three-Stage Inverted Darlington Circuitry

Dual push-pull amplification circuitry uses different transistors on each channel to separately amplify the positive and negative halves of the waveform. This circuitry has been shown to improve the efficiency of the relevant A/V receivers. Meanwhile, three-stage inverted Darlington circuitry helps reduce distortion.



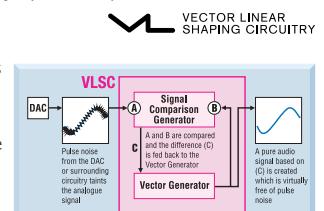
Harnessing Power for Audio Performance

Onkyo's High Current Power Supply (H.C.P.S.) concept is based around power transformers with the capability to respond to the wide dynamics of home theatre. In the case of the TX-NR905, a massive toroidal transformer provides efficiency and radiates less noise into the surrounding circuitry, while two separate transformers cater specifically to audio and video processing. You'll also find two quality capacitors (operating at up to 18,000 microfarads) that store the charge demanded from an effective power supply.



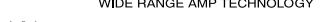
Vector Linear Shaping Circuitry (VLSC™)

Onkyo's VLSC employs a unique digital-to-analogue conversion circuit to mitigate the effect of signal noise. Data is converted between discrete sampling points, which are then joined with analogue vectors in real-time to produce a smooth output wave form. The result—a noiseless, smooth analogue signal based on the digital source.



Wide Range Amplifier Technology (WRAT) Providing Amplification Backbone

The cornerstone of any Onkyo A/V receiver, WRAT supports high-quality audio reproduction of the latest high-definition A/V formats. It comprises three key components: (1) A low negative-feedback design for cleaner audio across the frequency range; (2) Closed ground-loop circuits to cancel individual circuit noise and keep the ground potential free of distortion; and (3) A high instantaneous-current capability to handle speaker reflex energy and impedance fluctuations.



Highly Precise Onboard Digital-to-Analogue Converters

Our high-end receivers use Burr-Brown 192 kHz/24-bit audio DACs (PCM1796) to achieve excellent dynamic performance and improve tolerance to clock jitter. The TX-SR705, one of our mid-range models, draws on the efficiency of Cirrus Logic DACs (CS4398) to handle the complexity of multichannel sound.



Texas Instruments Digital Signal Processing (DSP) Chips

An Onkyo A/V receiver incorporates up to three Aureus™ DSP chips in the audio processing chain. They support the latest and most innovative audio signal processing features and help create a richer listening experience.



Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology

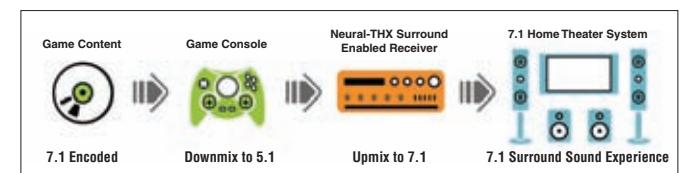
Deinterlacing chips featuring Faroudja DCDi Edge technology convert interlaced video signals to progressive scan signals. This technology helps effectively eliminate video artifacts from HDTV images.



FAROUDJA
DCDi EDGE

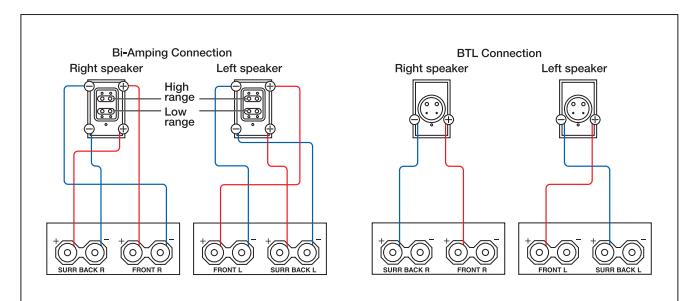
Neural-THX® Surround Decoding Technology

Neural-THX Surround enables content to be encoded into 5.1 or 7.1 channels and transmitted to an Onkyo A/V receiver, where it is decoded onboard. This technology reduces the bandwidth needed by broadcasters to deliver sound content and enables 7.1-channel support for gaming and movies.



Bi-Amping and BTL (Bridged Transistorless) Connectivity

Like top-quality amplifiers in the high-end audio world, selected Onkyo A/V receivers have bi-amping and BTL capabilities. Whether it's home theatre or music, you have the luxury of a number of different home theatre set-ups beyond the standard surround sound configurations.



RIHD (Remote Interactive Over HDMI) for System Control

Onkyo receivers with HDMI 1.3a offer integrated system control with selected HDMI-compatible high-definition displays, DVD recorders, HD DVD and Blu-ray Disc players. RIHD lets you seamlessly integrate with other leading brand-name devices, including those in the Panasonic VIERA Link and Toshiba CE-Link™ ranges.

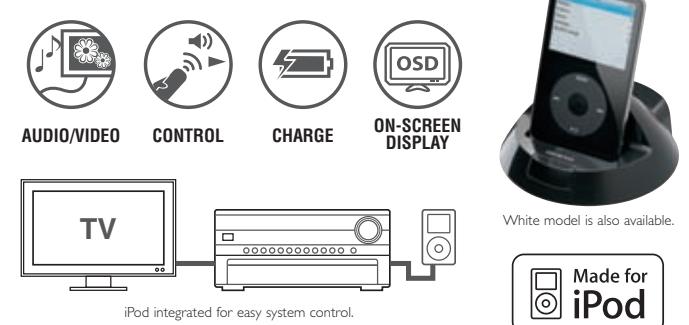


With Onkyo's RI system, you can integrate and operate all components through a single remote control. RI also enables you to integrate virtually any iPod model with one of Onkyo's RI Docks for the iPod.



RI (Remote Interactive) System Capability and the iPod

With Onkyo's RI system, you can integrate and operate all components through a single remote control. RI also enables you to integrate virtually any iPod model with one of Onkyo's RI Docks for the iPod.



TX-NR905 THX™ Ultra2™ Certified 7.1-Channel A/V Home Network Receiver



The lesser-used controls are neatly tucked away behind the drop-down panel.



Meet the standout leader of Onkyo's new range of home theatre heroes. Embracing all of the technologies synonymous with the 2007 line-up—including HDMI 1.3a, Dolby® TrueHD, DTS-HD® Master Audio, THX Ultra2 and Audyssey MultEQ® XT—the TX-NR905 7.1-channel home network receiver has a number of advantages that propel it into the home theatre super league. Look to the TX-NR905's network (interfacing with Windows Media Player and Windows Media Connect) to open up a huge reservoir of internet and computer-based audio resources. And enjoy the edge in high-definition 1080p video processing from the world's first receiver to incorporate HQV Reon-VX. In line with Onkyo's impeccable track record, under the hood of the TX-NR905 you'll find an innovative power supply, remarkable amplification design, and high-performance parts from the likes of Texas Instruments. "Complete" is a tag not given lightly, but the TX-NR905 earns it in style.

- 200 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC • THX™ Ultra2™ Certified (with THX Processing)
- Network Capability for Streaming Internet Radio and Playing Audio Content (via Ethernet and USB Port) (Microsoft PlaysForSure Certified)
- DTS-HD® Master Audio, DTS-HD® High-Resolution Audio, Dolby® TrueHD, Dolby® Digital Plus Decoding
- Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- VLSC (Vector Linear Shaping Circuitry) for All Channels
- Burr Brown 192 kHz/24-Bit Audio DACs (PCM1796) for All Channels
- HDMI 1.3a Audio and Video Processing (4 Inputs and 2 Outputs)
- HQV Reon-VX Video Processing with 1080p Upscaling of All Video Sources via HDMI
- HDMI and Component Video Upconversion
- HDTV-Capable HDMI Switching
- Powered Zone 2 (Audio and Video); Zone 2 and Zone 3 Pre Outs; Independent Control for Volume, Balance (Zone 2 and Zone 3) and Bass/Treble (Zone 2 Only)
- RS232, IR and 12V Trigger Connectivity
- HDTV-Capable (100 MHz) Component Video Switching (3 Inputs and 1 Output)
- Dual Push-Pull Amplifier Design with 3-Stage Inverted Darlington Circuitry
- VRAT (Wide Range Amplifier Technology)
- Three TI (Aureus™) 32-Bit DSP Chips for Advanced Processing
- Audyssey MultEQ® XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Neural-THX® Surround Technology for Gaming, Movies and Broadcasting
- Customised Gold-Plated Speaker Posts
- Gold-Plated A/V Inputs and Outputs
- Speaker A/B Configuration
- Compatible with RI (Remote Interactive) Dock for the iPod

TX-SR875 THX™ Ultra2™ Certified 7.1-Channel A/V Surround Home Theatre Receiver



The lesser-used controls are neatly tucked away behind the drop-down panel.



Performing beyond the highest expectations, the TX-SR875 A/V surround home theatre receiver deserves all the accolades it gets. The foundations of the TX-SR875 are its isolated power amplifier block and preprocessor, which support a dual push-pull amplification design. In the engine room, you'll find a blend of onboard technologies to drive your home entertainment effortlessly into the high-definition realm. This HDMI-equipped Onkyo receiver can take up to four components with 1080p video and master-quality audio. Even if your input device lacks HDMI, HQV Reon-VX will upscale the resolution of any video signal to 1080p. THX, Audyssey and Texas Instruments lend the very best of their expertise to round out this high-quality package.

- 200 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC • THX™ Ultra2™ Certified (with THX Processing)
- DTS-HD® Master Audio, DTS-HD® High-Resolution Audio, Dolby® TrueHD, Dolby® Digital Plus Decoding
- Dual Push-Pull Amplifier Design with 3-Stage Inverted Darlington Circuitry
- VRAT (Wide Range Amplifier Technology)
- Three TI (Aureus™) 32-Bit DSP Chips for Advanced Processing
- Audyssey MultEQ® XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Neural-THX® Surround Technology for Gaming, Movies and Broadcasting
- Customised Gold-Plated Speaker Posts
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Learning Remote Control with Macros and Mode-Key LEDs
- RS232, IR and 12V Trigger Connectivity
- Onkyo RIHD (Remote Interactive Over HDMI) for System Control
- IntelliVolume
- Bi-Amping and BTL (Bridged Transless or Bridging) Capability
- Colour-Coded 7.1-Multichannel Inputs and Pre Outs
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/70/80/90/100/120/150/200 Hz)
- Customised Gold-Plated Speaker Posts
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Learning Remote Control with Macros and Mode-Key LEDs

TX-SR805 THX™ Ultra2™ Certified 7.1-Channel A/V Surround Home Theatre Receiver



The lesser-used controls are neatly tucked away behind the drop-down panel.



In terms of the evolution of home entertainment, recent years have seen a quantum leap. It's a formidable progression when you think of 1080p high-definition video and broadcasts; studio-quality, lossless surround sound; and spectacular gaming with stunning motion and graphics. Bundling all this potential, the TX-SR805 A/V surround home theatre receiver has been built to provide comprehensive control over all your movies, music, broadcasts and gaming. But that barely begins to describe the TX-SR805's potential. Augmented by its THX Ultra2 certification, this receiver goes even further by bringing you sophisticated room correction technology, multi-zone capabilities, powerful bi-amping and "push-pull" amplification. The TX-SR805 provides a reference point for a new generation of high-definition A/V receivers.

- 180 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC
- THX™ Ultra2™ Certified (with THX Processing)
- DTS-HD® Master Audio, DTS-HD® High-Resolution Audio, Dolby® TrueHD, Dolby® Digital Plus Decoding
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Burr Brown 192 kHz/24-Bit Audio DACs (PCM1796) for All Channels
- HDMI 1.3a Audio and Video Processing (3 Inputs and 1 Output)
- HDMI and Component Video Upconversion
- HDTV-Capable HDMI Switching
- HDTV-Capable (100 MHz) Component Video Switching (3 Inputs and 1 Output)
- Dual Push-Pull Amplifier Design with 3-Stage Inverted Darlington Circuitry
- WRAT (Wide Range Amplifier Technology)
- Three TI (Aureus™) 32-Bit DSP Chips for Advanced Processing
- Audyssey MultEQ® XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Neural-THX® Surround Technology for Gaming, Movies and Broadcasting
- Powered Zone 2; Zone 2 and Zone 3 Pre Outs; Independent Control for Volume, Balance (Zone 2 and Zone 3) and Bass/Treble (Zone 2 Only)
- RS232, IR and 12V Trigger Connectivity
- Onkyo RIHD (Remote Interactive Over HDMI) for System Control
- 6 Digital Inputs (3 Optical and 3 Coaxial) and 1 Optical Output
- 6 S-Video Inputs and 2 Outputs
- Deinterlacer with Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology
- IntelliVolume
- Pure Audio Mode
- Bi-Amping Capability for Music and Movie Sound Effects
- Colour-Coded 7.1-Multichannel Inputs and Pre Outs
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/70/80/90/100/120/150/200 Hz)
- Compatible with RI (Remote Interactive) Dock for the iPod

TX-SR705 THX™ Select2™ Certified 7.1-Channel A/V Surround Home Theatre Receiver



You'll be hard-pressed to find a mid-range home theatre A/V receiver that packs the TX-SR705's amplification power and audio processing capabilities. It might be comforting to look to its THX Select2 certification for confirmation, but as the THX engineers have seen, there's a lot more here than just efficient amplifier drive ability and all-round home theatre performance. The TX-SR705 breaks new ground in the mid-range category by featuring not only the lossless audio codecs, Dolby® TrueHD and DTS-HD® Master Audio, but also the most advanced version of HDMI. And with a wealth of other class-leading features—1080p video processing, Audyssey's MultEQ® XT technology for room calibration, and advanced processing devices from Texas Instruments and Cirrus Logic—nothing has been sacrificed in the making of this remarkable home theatre component.

- 160 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC
- THX™ Select2™ Certified (with THX Processing)
- DTS-HD® Master Audio, DTS-HD® High-Resolution Audio, Dolby® TrueHD, Dolby® Digital Plus Decoding
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Cirrus Logic 192 kHz/24-Bit Audio DACs for All Channels
- HDMI 1.3a Audio and Video Processing (3 Inputs and 1 Output)
- HDMI and Component Video Upconversion
- HDTV-Capable HDMI Switching
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs and 1 Output)
- WRAT (Wide Range Amplifier Technology)
- Three TI (Aureus™) 32-Bit DSP Chips for Advanced Processing
- Audyssey MultEQ® XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Powered Zone 2 and Zone 2 Line-Out for Playback in Another Room
- RS232, IR and 12V Trigger Connectivity
- Onkyo RIHD (Remote Interactive Over HDMI) for System Control
- 6 Digital Inputs (3 Optical and 3 Coaxial) and 1 Optical Output
- 5 S-Video Inputs and 2 Outputs
- Deinterlacer with Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology
- IntelliVolume
- Pure Audio Mode
- Bi-Amping Capability for Music and Movie Sound Effects
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Colour-Coded 7.1-Multichannel Inputs and Pre Outs
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Synchronisation Function (Up to 250 ms in 5 ms Steps)
- 40 FM/AM Radio Presets with RDS
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Learning Remote Control with Macros and Mode-Key LEDs

TX-SR605 7.1-Channel A/V Surround Home Theatre Receiver



HDMI dts-HD Master Audio DOLBY TRUEHD Video Upconversion FAROUDJA CINEMA FILTER WRAT 192/24 AUDYSSEY RDS RI

This impressive new mid-range A/V receiver was built specifically to embrace high-definition media such as Blu-ray Disc and HD DVD. The TX-SR605 embodies a new generation, and boasts excellent signal-processing capabilities, courtesy of HDMI. With the ability to keep everything in the digital domain, the TX-SR605 provides complete control of every video and audio format available today. Adding high-definition A/V processing to Onkyo's renowned approach to sound gives this A/V receiver a distinct advantage in the home. Offering the latest in usability and versatility—such as multi-room playback, a full connectivity suite (with switching and upconversion), room calibration and integrated system control—the TX-SR605 is poised to set new performance benchmarks in affordable home theatre.

- 140 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC
- DTS-HD® Master Audio, DTS-HD® High-Resolution Audio, Dolby® TrueHD, Dolby® Digital Plus Decoding
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- HDMI 1.3a Audio and Video Processing (2 Inputs and 1 Output)
- HDMI and Component Video Upconversion
- HDTV-Capable HDMI Switching
- DTV-Capable (50 MHz) Component Video Switching (3 Inputs and 1 Output)
- WRAT (Wide Range Amplifier Technology)
- Advanced TI (Aureus™) 32-Bit Processing DSP Chip

- Subwoofer Pre Out
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Tone Control (Bass/Treble) for Front L/R Channels
- Colour-Coded 7.1-Multichannel Inputs
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/80/100/120/150/200 Hz)
- A/V Synchronisation Function (Up to 100 ms in 10 ms Steps)
- 40 FM/AM Radio Presets with RDS (PS/RT/PTY/TP)
- Compatible with the RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Remote Control with Mode-Key LEDs
- Deinterlacer with Faroudja DCDI Edge™ (Directional Correlational Deinterlacing) Technology
- IntelliVolume
- Pure Audio Mode
- Bi-Amping Capability for Music and Movie Sound Effects

WHAT HI-FI?
SOUND AND VISION
★★★★★
(October Issue 2007)

TX-SR505E 7.1-Channel A/V Surround Home Theatre Receiver

- 130 W/Ch, Continuous 6 Ω, 1 kHz, 1 Channel Driven, IEC
- DTS®-ES Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- HDMI Pass-Thru (1080p Compatible; 2 Inputs and 1 Output)*
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs and 1 Output)
- WRAT (Wide Range Amplifier Technology)
- Advanced TI (Aureus™) 32-Bit Processing DSP Chip
- Audyssey 2EQ™ to Correct Room Acoustic Problems and to Calibrate Speakers
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- 3 S-Video Inputs and 2 Outputs
- CinemaFILTER™
- Pure Audio Mode
- Colour-Coded 7.1-Multichannel Inputs (Receive 7.1 Surround Sound from Compatible Blu-ray Disc and HD DVD Players)
- Subwoofer Pre Out
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- Double Bass Function
- Speaker A/B Drive
- Colour-Coded Dual Banana Plug-Compatible Speaker Posts (Except Speaker B)
- Crossover Adjustment at 40/50/60/80/100/120/150/200 Hz for Bass Management
- A/V Synchronisation Function (Up to 100 ms in 20 ms Steps)
- 40 FM/AM Radio Presets with RDS (PS/RT/PTY/TP)
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Remote Control with Mode-Key LEDs

*A separate audio connection is necessary to process multichannel audio.

WHAT HI-FI?
SOUND AND VISION
★★★★★
(August Issue 2007)

SILVER BLACK



HDMI dts™ Digital Surround Neo:6 | 96/24 | ES **DOLBY** DIGITAL EX PROTOCOL **CINEMA FILTER** WRAT WIDE RANGE AMP TECHNOLOGY **AUDYSSEY** 2EQ 7.1 CH INPUT Theater-Dimensional **RDS RI**

HT-R508 5.1-Channel A/V Surround Home Theatre Receiver

- 130 W/Ch, 8 Ω, 1 Channel Driven, IEC
- DTS®, DTS® 96/24, DTS® Neo:6 5.1, Dolby® Digital, Dolby® Pro Logic® II
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- HDMI Pass-Thru (1080p Compatible; 2 Inputs and 1 Output)*
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs and 1 Output)
- WRAT (Wide Range Amplifier Technology)
- Advanced 32-Bit Processing DSP Chip
- Audyssey 2EQ™ to Correct Room Acoustic Problems and to Calibrate Speakers
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- 3 S-Video Inputs and 2 Outputs
- CinemaFILTER™
- Pure Audio Mode
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Colour-Coded 5.1-Multichannel Inputs (Receive 5.1 Surround Sound from Compatible Blu-ray Disc and HD DVD Players)
- Colour-Coded Dual Banana Plug-Compatible Speaker Posts
- Crossover Adjustment (40/50/60/80/100/120/150/200 Hz) for Bass Management
- A/V Synchronisation Function (Up to 100 ms in 20 ms Steps)
- 40 FM/AM Radio Presets with RDS (PS/RT/PTY/TP)
- Compatible with the RI (Remote Interactive) Dock for the iPod
- Front Panel Auxiliary Input (for Camcorders, Game Consoles, etc.)
- Preprogrammed RI (Remote Interactive) Remote Control

*A separate audio connection is necessary to process multichannel audio.



HDMI dts™ Digital Surround Neo:6 | 96/24 **DOLBY** DIGITAL PRO LOGIC II **CINEMA FILTER** WRAT WIDE RANGE AMP TECHNOLOGY **AUDYSSEY** 2EQ **RDS** Theater-Dimensional **RI**

DV-SP504E Universal DVD/CD Player



HDMI **DTS** **DOLBY** **DIGITAL** **SUPER AUDIO CD** **DVD** **VIDEO/AUDIO** **MP3** **DivX** **JPEG** **CD** **192/24** **DIVX** **HOME THEATER CERTIFIED VIDEO** **VL** **VECTOR LINEAR SHAPING CIRCUITRY** **PROGRESSIVE SCAN** **DIRECT DIGITAL PATH** **RI**

On the back of its award-winning predecessors, the DV-SP504E universal DVD/CD player stands out as a versatile player well-positioned for the emergence of high-definition entertainment. It's the inclusion of the HDMI interface that makes the DV-SP504E a superb choice for delivering movies, high-resolution music, and more recent formats like HD JPEG (for megapixel images with enhanced resolution). Onkyo technology comes into play with Vector Linear Shaping Circuitry (VLSC) and Direct Digital Path to protect audio signals from the single most destructive elements to quality movies and music—pulse noise and noise emanating from a player's internal components.

- DTS® and Dolby® Digital Decoders Built-in
- Plays DVD-Audio and Video, DVD-R/RWs, DVD+R/RWs, Super Audio CDs, MP3-Encoded CDs, WMA-Encoded CDs, CD-R/RWs, Video CDs, Audio CDs, and JPEG- and HD JPEG-Encoded CDs*
- HDMI Output for Video and Audio
- DivX® Video Playable
- HD Conversion to Match Resolution of High-Definition Displays
- PAL/NTSC Progressive Scan
- 192 kHz/24-Bit Audio DAC
- 108 MHz/14-Bit Video DAC
- Direct Digital Path

- VLSC (Vector Linear Shaping Circuitry)
- Optical & Coaxial Digital Outputs
- 96 kHz or 48 kHz Selectable Digital Output
- Component Video, S-Video, SCART & Composite Video Outputs
- On-Screen Display (English, French, Spanish, German, Italian, Japanese)
- 32-Track Programming
- Brushed Hairline Aluminum Front Panel
- RI (Remote Interactive) Compatible Remote Control

*Discs that have not been properly finalised may only be partially playable or not playable at all.

Experience Cinema—The Perfectionist Approach to Home Entertainment

HDMI (High-Definition Multimedia Interface) Providing the Ultimate A/V Connection

You'll find HDMI on almost all recently released Onkyo players. HDMI will output uncompressed video signals, along with every audio format carried by a player. Video can be passed directly to an HDMI-enabled HDTV, while audio—including Dolby Digital and DTS signals—can be passed to your AV receiver. Also, this cable can carry DVD signals for upconversion to 720p, 1080i, or 1080p. Since HDMI carries all channels of video and audio, only one cable is needed to plug into the HDMI-enabled source and only one into the display device. This means less unsightly cable mess and a straightforward connection process.



HD Conversion to Match Resolution of High-Definition Displays (DV-SP504E, DV-SP405)

As high-definition displays become the norm, and HDMI becomes the A/V transport of choice, you'll want the flexibility to get the best resolution out of your display. Onkyo players can be easily set at the native resolution of the connected display. The default setting of 480p can be output via component video or HDMI, or the HDMI setting can be changed through the resolution button on your remote. You have the choice of 720p or 1080i settings (via HDMI) which are compatible with the best HDTV displays available.

Vector Linear Shaping Circuitry (VLSC™) (DV-SP504E)

Unlike what you'll find elsewhere, Onkyo's VLSC significantly reduces pulse noise from digital signals. If you think of your player as the first link in your home entertainment chain, it makes sense to ensure that the signal is delivered in all its purity. By doing so, you'll add more depth and clarity to all your music sources (including digital music files) and movie soundtracks.



192 kHz/24 Bit
Performing at a full 192 kHz/24-bit level of resolution, these digital-to-analogue audio converters deliver audio performance that's ideal for today's formats. They boast a higher dynamic range than standard digital-to-analogue converters, and are virtually resistant to clock jitter—which means you'll enjoy the best possible audio performance.

DV-SP405 HD Conversion DVD/CD/MP3 Player



HDMI **dts** **2.0+Digital Out** **DOLBY** **DIGITAL** **DVD** **VIDEO** **MP3** **WMA** **DivX** **JPEG** **CD** **96/24** **PROGRESSIVE SCAN**

In this age of high-definition media, you want to be fully prepared for the stunning visual quality of HD displays. You also want to be fully covered for any computer-based audio and video files that you wish to play back with the enhanced experience offered by a home theatre system. Look no further. The DV-SP405 provides an affordable solution for playback of today's video and audio media. What's more, it delivers video sources through one convenient HDMI connection and matches the signal resolution to your HD display.

- DTS® 2.0+Digital Out and Dolby® Digital Decoders
- Plays DVD Video, Video CD, DualDisc (Not DVD Audio), Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW*
- Plays MP3, WMA, WMV, MPEG-4 AAC, DivX® and JPEG Formats*
- HDMI Output for Video and Audio
- USB Interface (Version 1.1)
- HD Conversion to Match Resolution of High-Definition Displays
- PAL/NTSC Progressive Scan
- 96 kHz/24-Bit Audio DAC
- 108 MHz/12-Bit Video DAC
- Coaxial Digital Output
- 96 kHz or 48 kHz Selectable Digital Output
- Component Video, SCART and Composite Video Outputs
- Disc Navigator for Browsing Video and Audio Content (Including Computer-Based Files)
- On-Screen Display (English, French, Spanish, German, Italian, Russian)
- Aluminium Front Panel
- Remote Control

*Discs that have not been properly finalised may only be partially playable or not playable at all.

DV-SP305 DVD/CD/MP3 Player



dts **DOLBY** **DIGITAL** **DVD** **VIDEO** **MP3** **WMA** **DivX** **JPEG** **CD** **96/24** **PROGRESSIVE SCAN**

In the ever-changing world of home entertainment, transitions happen so fast that you risk either spending too much for a component that soon becomes obsolete, or going budget for a component that does far too little. The DV-SP305 is the perfect DVD/CD/MP3 player for getting the job done with minimal fuss. It also provides the link between your home theatre and your computer-based music, video and photo files.

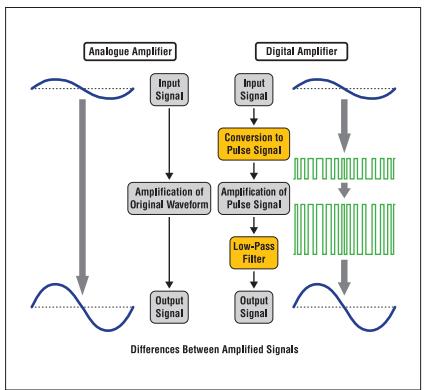
- DTS® and Dolby® Digital Decoders
- Plays DVD Video, Video CD, DualDisc (Not DVD Audio), Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R DL, DVD+R DL*
- Plays MP3, WMA, DivX® and JPEG Formats*
- PAL/NTSC Progressive Scan
- 96 kHz/24-Bit Audio DAC
- 54 MHz/10-Bit Video DAC
- Coaxial Digital Output
- Component Video, SCART and Composite Video Outputs
- Disc Navigator for Browsing Video and Audio Content (Including Computer-Based Files)
- On-Screen Display (English, French, Spanish, German, Italian, Russian)
- Aluminium Front Panel
- Remote Control

*Discs that have not been properly finalised may only be partially playable or not playable at all.

VL Digital—A Quest for the Perfect Digital Sound

The Difference Between Analogue and Digital Amplifiers

Understanding the amplification process helps to explain the difference between analogue and digital amplifiers. In an analogue amplifier, the analogue input signal is amplified without any modification. In a digital amplifier, the analogue input signal is converted into a pulse (digital) signal, and then converted back into an analogue signal using a low-pass filter. An analogue signal is constantly changing within a range extending from zero to a maximum value. However, a digital signal is comprised of "pulses"—a series of zeros and ones. The significant difference between analogue and digital amplifiers is the basic principle used for amplification.



In an amplifier, the power supply circuitry (actually, the capacitors) collects electricity. A transistor (valve) opens when an input signal is received, causing some of the collected energy to flow out through the output jacks. This process simply defines how amplification works. Analogue amplifier signals continuously change: the transistor must adjust the size of the "valve" opening to match the constantly changing input signal. On the other hand, with a digital amplifier, the signal consists of either a pulse (1) or no pulse (0)—there are no intermediate values. The "switches" in a digital amplifier are completely open (switch is on) when there is a pulse or completely closed (switch is off) when there is no pulse.

Why the Interest in Digital Amplifiers?

First of all, we should consider an analogue amplifier, where the signal always lies between zero and a maximum value. Therefore, the amplifier elements function as variable resistors that adjust the amount of electricity supplied by the power supply to match the input level. Electricity that does not flow through when the amplifier elements are closed is lost. For this reason, analogue amplifiers can only achieve a maximum power efficiency (relative to the power supply) of about 70%. This large amount of energy loss means that a substantial amount of heat is generated.

In a digital amplifier, the signal level is either 0 or 1, and the amplifier elements function as switches with two states, ON and OFF. The amount of power loss is very small. Consequently, digital amplifiers typically have very high efficiency—90% or so. Very little energy is generated, so heat-dissipating parts such as heat sinks can be smaller and the amplifiers can be more compact.

Possibilities of the Digital Amplifier

At Onkyo, we are not only interested in higher efficiency and a more compact size, we also believe that there is a great opportunity to build a digital amplifier with improved sound. When a digital amplifier's signal value is 1 (the current is flowing from the power supply to the speakers), the amplification elements in the output stage remain completely open. Broadly speaking, there is little resistance that consumes power between the power supply and the speakers. Consequently, there is no loss of power. In contrast, with analogue amplifiers, there is always some resistance between the power supply and speakers because of the manner in which the amplifier operates.

Furthermore, since the output elements are used as switches in a digital amplifier, properties such as linearity (crucial in an analogue amplifier) are not particularly significant. By reducing the number of parameters that the amplifier must control, it is easier to ensure that the elements will be driven as intended in all circumstances. We believe that the potential of digital amplifiers lies in more accurate signal reproduction.

Another potential attraction is that low-frequency reproduction places little load on the power supply. Analogue recording techniques have limitations when recording low-frequency sounds. However, digital recording, which has become the dominant method for storing and reproducing audio data, has eliminated these limitations. For this reason, more and more of today's music is based on powerful low-frequency sounds. These recordings contain bass power in all its intensity.

Onkyo's Approach to Digital Amplifiers

Based on the research of Onkyo's development team, we believe power supply is essential to achieving quality sound from digital amplifiers, even though their efficiency far exceeds that of analogue amplifiers. If we go back to the basics of amplification, we want to reproduce sound that you can feel, not just hear. For this purpose, we need a power supply with the lowest possible impedance and superior transient response. Very few manufacturers are building digital amplifiers with power supplies that follow our concept.

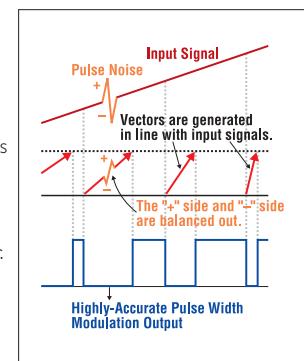
A great deal of attention has been given to power supply performance in every Onkyo digital amplifier. In fact, in our digital amplifiers, we have taken this concept even further by including large-capacity transformers.

Pulse Width Modulation (PWM) and Onkyo's VL (Vector Linear) Digital

In digital amplifiers, there are two methods of pulse conversion: pulse width modulation (PWM), in which analogue quantity is represented by the width of the pulse, and pulse density modulation (PDM), in which analogue is represented by the number of pulses. Onkyo uses the PWM approach for a number of reasons:

- 1) PWM produces far less digital noise in the higher frequencies than PDM.
- 2) PWM is more efficient than PDM in terms of delay relative to the pulse input.
- 3) PDM is dependent on a large amount of negative feedback (NFB)—approaching 100%. Even in an analogue amplifier, a lot of NFB will negatively affect the sound.

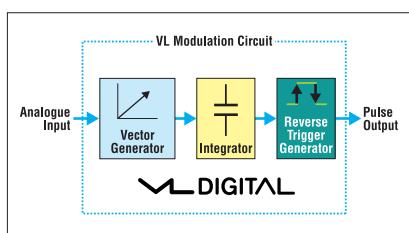
Up to now, PWM has been used as an efficient method of amplifying audio signals. Theoretically, this method should result in accurate analogue-to-digital conversion. In reality, a digital amplifier generates a lot of "noise spikes" from sources external to the modulator circuitry. This spike noise introduces errors into the inversion timing, making accurate conversion into pulse widths impossible. So, to further improve the precision of amplifiers, we've had to push even further. Our response is a highly accurate analogue-to-digital conversion circuit—VL Digital—that is unaffected by noise in the analogue signal.



Onkyo's VL (Vector Linear) Digital technology comprises a vector generator, an integrator (like a charger) and an inversion trigger generator. When the analogue input signal is received, the vector generator outputs a current proportional to the size of the analogue input. This current is sent to the integrator, where it is "charged". When the charge quantity reaches a specified value, the trigger operates and inverts the output pulse. Circuits charge and invert alternately, performing pulse width modulation proportional to the analogue signal.

The upper and lower portions of the spike noise waveform are symmetrical, so they have the same area. Therefore, if the analogue signal contains spike noise, their charge quantities will cancel each other out. This will ensure accurate pulse width modulation at all times.

Onkyo's third-generation VL Digital technology includes an inverted Darlington circuit that goes beyond earlier versions to accurately produce a current flow based on the input voltage.



Offering Dedicated Audio Engineering with Versatile Music Playback



A-933 Integrated Digital Amplifier

- 80 W/Ch, Continuous 8 Ω, 1 kHz, DIN
- Exclusive Onkyo VL Digital Technology
- Dual Toroidal Power Transformers
- All Discrete Output Stage Circuitry
- Low Impedance, Thick Bus Plate
- Precision Motor-Driven Volume Control
- Tone Control (Bass/Treble/Super Bass)
- Direct Mode
- 5 Audio Inputs and 2 Outputs
- Phono Input
- Main In Terminals
- Speaker A/B Drive
- Subwoofer Pre Out
- Banana Plug-Compatible Speaker Posts
- Brushed Hairline Aluminium Front Panel
- Hi-Rigidity, Anti-Resonant Chassis
- Ultra-Smooth CD Loading Mechanism
- Blue FL Display
- RI (Remote Interactive) System Compatible
- WHD: 275 x 103 x 304 mm
- 7.5 kg



The lesser-used controls are neatly tucked away behind the drop-down panel.

C-733 CD Player

- Plays Audio CDs and CD-R/RWs*
- VLSC (Vector Linear Shaping Circuitry)
- 192 kHz/24-Bit DAC
- Super Precision Clock (± 1.5 ppm)
- Direct Digital Path
- DLA Link (Sets Peak Levels When One-Touch Recording to an Onkyo MD Recorder)
- 2 Optical Digital Outputs
- 25-Track Programming
- Repeat/Random/Memory Playback
- Brushed Hairline Aluminium Front Panel
- Hi-Rigidity, Anti-Resonant Chassis
- Ultra-Smooth CD Loading Mechanism
- Blue FL Display
- RI (Remote Interactive) System Compatible
- WHD: 275 x 103 x 328 mm
- 4.5 kg

*Discs that have not been properly finalised may only be partially playable or not playable at all.

T-433 FM/AM RDS Tuner

- Automatic FM/AM Scan Tuning
- 30 FM/AM Presets
- RDS (CT/P/S/RT)
- 4 Timer Mode Settings (Play or Rec/Once or Every)
- Sleep Timer
- Brushed Hairline Aluminium Front Panel
- Hi-Rigidity, Anti-Resonant Chassis
- RI (Remote Interactive) System Compatible
- WHD: 275 x 78 x 309 mm
- 3.0 kg

RDS RI

C-733 RI Tuner

- Automatic FM/AM Scan Tuning
- 30 FM/AM Presets
- RDS (CT/P/S/RT)
- 4 Timer Mode Settings (Play or Rec/Once or Every)
- Sleep Timer
- Brushed Hairline Aluminium Front Panel
- Hi-Rigidity, Anti-Resonant Chassis
- RI (Remote Interactive) System Compatible
- WHD: 275 x 78 x 309 mm
- 3.0 kg

RI

Basing Music on Pure Audio Signals with On-Demand Power

The benefits of digital amplification have been recognised by the audio industry for some time. With minimal power leakage, digital amplifiers can achieve a power efficiency of up to 90%. Without the need for large heat sinks, manufacturers can focus on introducing more compact, sleeker designs. While this is an advantage in terms of saving space, it comes at the expense of one key issue—audio quality. By focusing on accurate analogue-to-digital conversion (VL Digital) and effective power supply, Onkyo's integrated digital amplifiers lend a truly musical signature to audio reproduction.

A-9755 Integrated Digital Amplifier

- 150 W/Ch, Continuous 8 Ω, 1 kHz, DIN
- Exclusive Onkyo VL Digital Technology
- Pure Stream Power Supply (2 Transformers)
- All Discrete Output Stage Circuitry
- Low-Impedance, Thick Bus Plate
- Optimum Gain Volume Circuitry
- Audiophile-Grade Capacitor
- Precision Motor-Driven Volume Control
- Tone Control (Bass, Treble, Loudness On/Off)
- Pure Direct Mode
- Discrete Phono Equalizer Circuitry
- 6 Gold-Plated Audio Inputs and 2 Outputs
- Phono Input
- Main In Terminals
- Blue Illuminated Volume Control
- High-Rigidity, Anti-Resonant Chassis and Brass Stabilisers
- Extruded Aluminium Volume and Selector Knobs
- Speaker A/B Drive
- Gold-Plated Banana Plug-Compatible Transparent Speaker Posts
- Heavy-Duty Power Cord (Inlet Type)
- Compatible with RI Dock for the iPod
- RI (Remote Interactive) Remote Control



A-9555 Integrated Digital Amplifier

- 100 W/Ch, Continuous 8 Ω, 1 kHz, DIN
- Exclusive Onkyo VL Digital Technology
- Pure Stream Power Supply
- All Discrete Output Stage Circuitry
- Low-Impedance, Thick Bus Plate
- Optimum Gain Volume Circuitry
- Precision Motor-Driven Volume Control
- Tone Control (Bass, Treble, Loudness On/Off)
- Pure Direct Mode
- Discrete Phono Equalizer Circuitry
- 6 Audio Inputs and 2 Outputs
- Phono Input
- High-Rigidity, Anti-Resonant Chassis
- Aluminium Volume and Selector Knobs
- Speaker A/B Drive
- Banana Plug-Compatible Speaker Posts
- Compatible with RI Dock for the iPod
- RI (Remote Interactive) Remote Control



A-1VL Integrated Digital Amplifier

- 100 W/Ch, Continuous 8 Ω, 1 kHz, DIN
- Exclusive Onkyo VL Digital Technology
- Dual Toroidal Power Transformers
- Low-Impedance, Copper Bus Plates
- Audiophile-Grade Parts
- Precision Motor-Driven Volume Control
- Direct Mode
- Phono Input
- Main In Terminals
- Pre Out Terminals
- Brass Pin Jacks
- High-Rigidity, Anti-Resonant Chassis and Brass Stabilisers
- High-Grade Banana Plug-Compatible Transparent Speaker Posts
- Heavy-Duty Power Cord (Inlet Type)
- Full-Function Remote Control



A-9355 Integrated Digital Amplifier

- 70 W/Ch Minimum into 4 Ω, 1 kHz, 2 Channels Driven, IEC
- Exclusive Onkyo VL Digital Technology
- Massive Power Transformer
- All Discrete Output Stage Circuitry
- Low-Impedance, Thick Bus Plate
- Optimum Gain Volume Circuitry
- Audiophile Grade Capacitors
- Precision Motor-Driven Volume Control
- Tone Control (Bass, Treble, Loudness On/Off)
- Pure Direct Mode
- Discrete Phono Equalizer Circuitry
- 5 Audio Inputs and 2 Outputs
- Phono Input
- High-Rigidity, Anti-Resonant Chassis
- Aluminium Volume and Selector Knobs
- Speaker A/B Drive
- Banana Plug-Compatible Speaker Posts
- Heavy-Duty Power Cord
- Compatible with RI Dock for the iPod
- RI (Remote Interactive) Remote Control



A-9155 Integrated Amplifier

- 65 W/Ch Minimum into 4 Ω, 1 kHz, 2 Channels Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- All Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Audiophile Grade Capacitors
- Precision Motor-Driven Volume Control
- Tone Control (Bass, Treble, Loudness On/Off)
- Direct Mode
- Phono Equalizer
- 4 Audio Inputs and 2 Outputs
- Phono Input
- High-Rigidity, Anti-Resonant Chassis
- Aluminium Volume and Selector Knobs
- Speaker A/B Drive
- Banana Plug-Compatible Speaker Posts
- Headphone Jack
- Compatible with RI Dock for the iPod
- RI (Remote Interactive) Remote Control



C-1VL CD Player

- Plays Audio CDs and CD-R/RWs*
- VLSC (Vector Linear Shaping Circuitry)
- Wolfson® 192 kHz/24-Bit DAC
- Super Precision Clock (± 1.5 ppm)
- Direct Digital Path
- 3 Digital Outputs (2 Optical and 1 Coaxial)
- Digital Out On/Off
- Brass Pin Jacks
- High-Rigidity, Anti-Resonant Chassis and Brass Stabilisers
- Heavy-Duty Power Cord (Inlet Type)
- High-Grade Pin Cable Included
- Remote Control



DX-7555 CD Player

- Plays Audio CDs, MP3-Encoded CDs, CD-R/RWs*
- VLSC (Vector Linear Shaping Circuitry)
- Wolfson® (WM8740) 192 kHz/24-Bit DAC
- Super Precision Clock (± 1.5 ppm)
- Digital Filter and Phase Control
- Direct Digital Path
- Massive Power Transformer
- 2 Digital Outputs (Optical/Coaxial)
- Headphone Jack with Volume Control
- Quick Navigation for MP3 CD Playback
- 25-Step Memory Playback and 4 Repeat Modes
- 4-Mode Dimmer (Normal/Dim/Dimmer/Off)
- High-Rigidity, Anti-Resonant Chassis
- Brushed Hairline Aluminium Front Panel
- RI (Remote Interactive) Remote Control



DX-7355 CD Player

- Plays Audio CDs, MP3-Encoded CDs, CD-R/CD-RWs*
- VLSC (Vector Linear Shaping Circuitry)
- Wolfson® (WM8716) 192 kHz/24-Bit DAC
- Massive Power Transformer
- Audiophile-Grade Capacitors
- 2 Digital Outputs (Optical/Coaxial)
- Headphone Jack with Volume Control
- Quick Navigation for MP3 CD Playback
- 4 Play Modes (Group [MP3 CD only]/Memory/Random/Normal)
- 25-Step Memory Playback
- 5 Repeat Modes (1 Group/Memory/Random/Entire Disc/1 Track)
- 3-Mode Dimmer (Normal/Dim/Dimmer)
- High-Rigidity, Anti-Resonant Chassis
- Brushed Hairline Aluminium Front Panel
- RI (Remote Interactive) Remote Control



*Discs that have not been properly finalised may only be partially playable or not playable at all.

T-4555 FM/AM RDS Tuner

- Tuner Board (DAB) Upgrade Capability
- FM/AM Auto Tuning
- 40 FM/AM Presets
- RDS (PS/RT/PTY/TP)
- Direct Access Tuning (via Remote)
- RS232 Port
- IR Input and Output
- 12V Trigger Input and Output
- Hi-Rigidity, Anti-Resonant Chassis
- Brushed Hairline Aluminium Front Panel
- RI (Remote Interactive) Remote Control



T-4355 FM/AM RDS Tuner

- FM/AM Auto and Manual Tuning
- Auto Presets (20 FM/10 AM)
- RDS (PS/RT)
- FM Mono Mode
- Dot-Matrix Display
- Front Panel Controls (Display, Band, Preset, Memory, FM Mode)
- Hi-Rigidity, Anti-Resonant Chassis
- Aluminium Front Panel
- Audiophile Grade Capacitor
- RI (Remote Interactive) System Compatible



DX-C390 6-Disc CD Carousel Changer

- Plays Audio CDs, MP3-Encoded CDs, CD-R/RWs*
 - VLSC (Vector Linear Shaping Circuitry)
 - VQA (Vector Quantizer Audio) Conversion Technology
 - Change up to 5 Discs During Play
 - 192 kHz/24-Bit Audio DAC
 - Direct Digital Path
 - 2 Digital Outputs (Optical/Coaxial)
 - 40-Track Programming
 - Next Selection Function
 - 6 Repeat Modes (Entire Disc/All Discs/Random Tracks/Programmed Tracks/Random Memory/Single Track)
 - Brushed Hairline Aluminium Front Panel
 - RI (Remote Interactive) Remote Control
- *Discs that have not been properly finalised may only be partially playable or not playable at all.



TA-RW255 Double Auto-Reverse Cassette Deck

- Dolby® B and C Noise Reduction
- CD-to-Tape Synchro Recording
- Rec Level Control
- Auto Tape-Bias Adjustment
- Auto-Space and Rec Mute
- High Speed Dubbing
- 8-Segment Peak Level Meters
- Peak Hold
- Brushed Hairline Aluminium Front Panel
- RI (Remote Interactive) System Compatible



Introducing the Speaker World to a Brand New Onkyo Personality



D-312E 2-Way Bass Reflex Speakers

A-OMF

- 16 cm A-OMF Monocoque diaphragm woofer • 4 cm ring-drive tweeter • Heavy-duty 6.5 cm voice coil • V-Line Edge to counteract unwanted diaphragm vibration • Aero Acoustic Drive for powerful and natural sound • Isolated wiring network design • WIMA film capacitor • MDF cabinet and wooden side panels • Gold-plated, bi-wiring, banana plug-compatible speaker posts • Impedance: 4 Ω • Magnetically shielded • Max. input power: 200 W • Frequency response: 34 Hz–100 kHz • WHD: 236 x 353 x 346 mm • 12.2 kg



D-112E 2-Way Bass Reflex Speakers

A-OMF

- 10 cm A-OMF Monocoque diaphragm woofer • 3 cm ring-drive tweeter • Supported by a large voice coil (3.8 cm) • V-Line Edge to counteract unwanted diaphragm vibration • Aero Acoustic Drive for powerful and natural sound • High-quality network circuit with S.G.L. (Steady Ground Level) • Wood-finished cabinet with MDF baffle • Gold-plated, banana plug-compatible speaker posts • Magnetically shielded • Max. input power: 120 W • Frequency response: 50 Hz–100 kHz • WHD: 156 x 249 x 221 mm • 4.1 kg



D-TK10 2-Way Bass Reflex Speakers

A-OMF

- 10 cm A-OMF Monocoque diaphragm woofer • 3 cm ring-drive tweeter • Supported by a large voice coil • Takamine Acoustic Voicing Technology construction • Aero Acoustic Drive for powerful and natural sound • Network circuit with high-quality parts • Gold-plated, banana plug-compatible speaker posts • Frequency response: 50 Hz–100 kHz • Max. input power: 200 W • WHD: 133 x 276 x 220 mm • 2.9 kg



D-302E 2-Way Bass Reflex Speakers

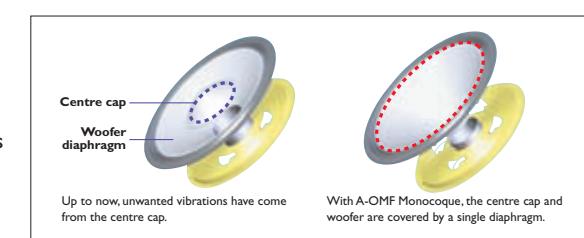
A-OMF

- 16 cm A-OMF Monocoque diaphragm woofer • 4 cm ring-drive tweeter • Die-cast frame construction to prevent vibrations • V-Line Edge to counteract unwanted diaphragm vibration • Aero Acoustic Drive for powerful and natural sound • Wood-finished MDF cabinet • Gold-plated, banana plug-compatible speaker posts • Magnetically shielded • Max. input power: 200 W • Frequency response: 34 Hz–100 kHz • WHD: 210 x 347 x 363 mm • 10.8 kg



SKW-204 Bass Reflex Powered Subwoofer

- Built-in 230 W amplifier • Auto-standby/On circuitry • 25 cm cone woofer • Continuously variable crossover (50 Hz–200 Hz) • Phase switch (0° or 180°) • Line level inputs • Impedance: 100 kΩ • Frequency response: 25 Hz–150 Hz • WHD: 275 x 473 x 428 mm • 11.8 kg



A-OMF Monocoque is the latest development in the OMF (Onkyo Micro Fiber) diaphragm series. It comprises a continuous section of material that covers the entire cone, including the center cap. The A-OMF Monocoque diaphragm more effectively complements the woofer unit's piston motion and removes any unwanted breakup caused by flexing of the centre cap. While it shares the same three-layer construction as its predecessor, the A-OMF Monocoque features a new twill weave that's 30% lighter than on the previous model, to further improve the diaphragm's transient response.



CR-715DAB(B), D-N10BX(B)

Packing the Power When You Need it Most

At first glance, the CR-715DAB will impress you with its handsome, concave aluminium front panel and a robustness of build rarely seen among mini audio systems. Give it some airplay, and you'll find its switching amplifier design—employing VL (Vector Linear) Digital technology for accurate conversion—reproduces music with remarkable clarity. On the CD drive side, Vector Linear Shaping Circuitry (VLSC) further ensures you're getting the purest sound possible. With an emphasis on high instantaneous current capability, the CR-715DAB has the power to achieve the high performance standards that most mini systems fail to reach.



CR-715DAB(S)

CR-715DAB(B/S)
CD Receiver

- 50 W/Ch, Continuous 4 Ω, 1 kHz
- Plays CDs and MP3-Encoded CDs*
- Exclusive Onkyo VL Digital Technology
- High-Instantaneous Current Capability
- Wolfson® 192 kHz/24-Bit DAC
- VLSC (Vector Linear Shaping Circuitry)
- Discrete Output Stage Circuitry
- 4 Audio Inputs (1 Front-Panel) and 2 Outputs
- Gold-Plated Terminals on Rear Panel
- Optical Digital Input
- Subwoofer Pre-Out
- Direct Mode
- Super Bass
- Tone Control
- 25-Track Programming
- 4 Timer Mode Settings (Play or Rec/Once or Every)
- Sleep Timer
- 40 FM/DAB Presets
- Presets Naming (Up to 8 Characters)
- RDS (PS/RT)
- Aluminium Front Panel
- Flat Underside Designed to Prevent Vibrations
- Compatible with RI Dock for the iPod
- Full-Function RI (Remote Interactive) Remote Control
- WHD: 205 x 116 x 335 mm
- 4.6 kg

*Discs that have not been properly finalised may only be partially playable or not playable at all.

DAB **Digital Audio Broadcasting** **192/24** **DSD** **Digital Audio** **MP3** **RDS** **RI**

D-N10BX(B)
2-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Banana Plug-Compatible Speaker Posts
- Magnetically Shielded
- MDF Cabinet with Piano Finish
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 45 Hz–100 kHz
- WHD: 167 x 298 x 247 mm
- 4.2 kg

A-OMF



Detailed, Balanced and Spacious in Sound

CS-515UK CD Receiver System

CR-515DAB SILVER

CD Receiver

- 20 W/Ch, Continuous 4 Ω, 1 kHz, IEC
- Plays CDs and MP3-Encoded CDs*
- Wolfson® 192 kHz/24-Bit DAC
- WRAT (Wide Range Amplifier Technology)
- VLSC (Vector Linear Shaping Circuitry)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 4 Audio Inputs and 2 Outputs
- Optical Digital Input
- Subwoofer Pre-Out
- Direct Mode
- Super Bass and Tone Control

WRAT WIDE RANGE AMP TECHNOLOGY **VL** VECTOR LINEAR SHAPING CIRCUITRY
RDS RI

- 25-Track Programming
- 4 Timer Mode Settings (Play or Rec/Once or Every)
- Sleep Timer
- 40 FM/AM/DAB Presets
- RDS (PS/RT)
- Aluminium Front Panel
- Compatible with RI Dock for the iPod
- Full-Function RI (Remote Interactive) Remote Control
- WHD: 205 x 116 x 353 mm
- 4.3 kg

DAB Digital Audio Broadcasting **192/24** 192kHz/24Bit **DISC** DIGITAL AUDIO **MP3**



(October Issue 2006)

D-N9BX(W) 2-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Banana Plug-Compatible Speaker Posts
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 45 Hz–100 kHz
- WHD: 167 x 290 x 247 mm
- 4.0 kg

A-OMF MONOCOQUE

CR-515DAB, D-N9BX(W)

Optional Component

K-505TX(SH) Auto-Reverse Cassette Deck

- Auto-reverse • Dolby® B and C noise reduction, Dolby® HX Pro • CD/MD-to-tape synchro recording • Automatic recording level control
- Auto-space and re-mute • Music search • RI (Remote Interactive) system compatible • Wow & flutter: 0.1% (WRMS) • Frequency response: 20 Hz–16 kHz (metal tape) • S/N ratio: 54 dB (metal tape, Dolby® NR off) • WHD: 205 x 76 x 278 mm • 2.6 kg



DR-815, D-N7BX(Y)



CS-515A CD Receiver System

CR-515 SILVER BLACK

CD Receiver

- 20 W/Ch, Continuous 4 Ω, 1 kHz, IEC
- Plays CDs and MP3-Encoded CDs*
- Wolfson® 192 kHz/24-Bit DAC
- WRAT (Wide Range Amplifier Technology)
- VLSC (Vector Linear Shaping Circuitry)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 4 Audio Inputs and 2 Outputs
- Direct Mode
- Subwoofer Pre-Out
- Super Bass
- Tone Control

WRAT WIDE RANGE AMP TECHNOLOGY **VL** VECTOR LINEAR SHAPING CIRCUITRY **192/24** 192kHz/24Bit **DISC** DIGITAL AUDIO **MP3** **RDS RI**

D-N9BX(S/B) 2-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Banana Plug-Compatible Speaker Posts

A-OMF MONOCOQUE

Wireless Music Streaming from PC to Audio Systems

UWL-1 Wireless USB Audio Transport

- Non-Compressed, High-Fidelity Music Playback
- Transmits CDs, DVDs (Audio), MP3, WMA, AAC, Internet Radio
- Compatible with Mainstream Programs Such as iTunes, Windows Media Player, Real Player, etc.
- Transmits Up to 30 Metres at 2.4 GHz
- Quick and Easy To Set-Up
- Optical and Analogue Outputs
- Built-in Antenna
- WHD: 91 x 29.5 x 102 mm (RX-1), 86.5 x 13 x 28.5 mm (UTX-1)
- 140 g (RX-1), 20 g (UTX-1)

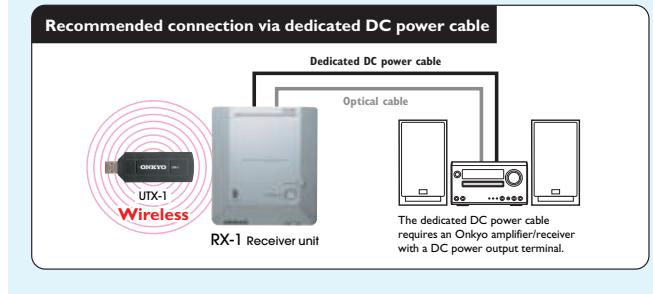


Requirements

- Windows® 2000 (Service Pack 4 or Later) or Windows® XP (Service Pack 1 or Later)
- Intel® Pentium® III, 800 MHz or Greater (Intel® Pentium® 4, 1.4 GHz or Greater Recommended)
- 128 MB of RAM (Minimum)
- USB Port Compatible with Spec. Rev. 1.1 (Intel USB Host Controller Recommended)

Contents

- Digital Wireless Audio Receiver (RX-1)
- USB Transmitter (UTX-1)
- Audio Cable (Stereo Mini-RCA Pin Cable); Optical Cable; Dedicated DC Power Cable; AC Adapter



*Discs that have not been properly finalised may only be partially playable or not playable at all.

Greater Options and Smart Versatility to Kick-Start Home Entertainment

For a relatively diminutive A/V receiver system, the CS-V815 really does cover all the bases. The ability to handle the most advanced audio formats, DVD-Audio and Super Audio CD, along with regular CDs and recorded digital MP3 files, is impressive enough. But the CS-V815 will also enable you to play back DVD sources with a virtual surround sound-field, and it takes DTS® and Dolby® Digital sources into the full 5.1-channel realm with connection to a power (main) amplifier and speakers. With its space-saving qualities and versatility, the CS-V815 will neatly integrate into virtually any space of your choice and give you greater entertainment options.

CS-V815 Universal A/V Receiver System

DR-815 SILVER

Universal A/V Receiver

- 18 W/Ch, Continuous 4 Ω, 1 kHz
- Plays DVD-Audio & Video, DVD-R/RWs, Super Audio CDs, MP3-Encoded CDs, WMA-Encoded CDs, CD-R/RW, Video CDs, Audio CDs, and JPEG-Encoded CDs*
- DTS®, Dolby® Digital, Dolby® Pro Logic® II
- VLSC (Vector Linear Shaping Circuitry)
- WRAT (Wide Range Amplifier Technology)
- 192 kHz/24-Bit DAC
- 108 MHz/12-Bit Video DAC
- Advanced 32-Bit Processing DSP Chip
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Centre/Surround/Subwoofer Pre-Out
- SCART Connector
- Front Virtual Surround Function
- 30 FM/AM Presets
- Aluminium Front Panel
- Compatible with RI Dock for the iPod
- WHD: 205 x 147 x 353 mm
- 5.4 kg

*Discs that have not been properly finalised may only be partially playable or not playable at all.

DOLBY DOLBY PRO LOGIC II **VL** VECTOR LINEAR SHAPING CIRCUITRY **192/24** 192kHz/24Bit **DISC** DIGITAL AUDIO **SUPER AUDIO CD** **DVD** DVD VIDEO/AUDIO **RDS RI**



DR-815, D-N7BX(Y)

D-N7BX(Y)

2-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Banana Plug-Compatible Speaker Posts
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 50 Hz–100 kHz
- WHD: 167 x 290 x 246 mm
- 3.9 kg

A-OMF MONOCOQUE



Cinematic Brilliance, Terrific Musicality, Undeniable Style

The LS-V501 is shaping up as one of those classic Onkyo A/V systems that blend A/V perfection with style and sublime construction. With obvious leanings towards HD entertainment, the LS-V501 sports HDMI connectivity for the latest plasma and LCD displays. Working from a 2-channel set-up, this package provides "channeled sound" movie entertainment from DVDs and DivX. On another front, it gives you a stack of music options, from MP3s right through to the audiophile quality of DVD Audio and Super Audio CD. The accompanying speakers are sized for placement in a variety of set-ups, while the gloss-finished subwoofer adds to the LS-V501's overall chic.

LS-V501 Universal DVD Receiver/Speaker Package

DR-S501 SILVER BLACK

2.1-Channel Universal DVD Receiver

- 50 W/Ch, 1 kHz, IEC
- Plays DVD-Audio and Video, Video CD, Super Audio CD, PCM Audio CD, DVD-R/RW, DVD+R/RW, DVD-R/RW DL, DVD+R/RW DL, CD-R/RW, DivX®-Encoded Discs, MP3-Encoded Discs, WMA-Encoded Discs, and JPEG-Encoded CDs*
- DTS® Digital Surround, DTS® 96/24, Dolby® Digital
- WRAT (Wide Range Amplifier Technology)
- Discrete Output Stage Circuitry
- HDMI Pass-Thru (1080i Compatible; 1 Input and 1 Output)
- Component Video Output
- 2 A/V Inputs
- Pure/Direct Modes
- 2 Digital Inputs (1 Optical and 1 Coaxial)
- Subwoofer Pre Out
- 192 kHz/24-Bit Audio DAC
- 108 MHz/14-Bit Video DAC
- Progressive Scan Video Output
- DVD Onscreen Set-Up
- Theater Dimensional Virtual Surround Function
- 40 FM/AM Radio Presets
- Compatible with RI Dock for the iPod

*Discs that have not been properly finalised may only be partially playable or not playable at all.



HTP-501 SILVER BLACK

2.1-Channel Speaker Package

SKF-501F

2-Way Acoustic-Suspension Front Speakers

- 8 cm cone woofer x 2 • 2.5 cm balanced-dome tweeter
- Magnetically shielded • Wall-mounting capability • Frequency response: 60 Hz–50 kHz • Max. input power: 120 W • WHD: 140 x 355 x 93 mm (without stand), 178 x 405 x 145 mm (with stand) • 1.8 kg (without stand), 2.6 kg (with stand)

SKW-501

Bass Reflex Powered Subwoofer

- 20 cm cone woofer • Auto standby/On circuitry • Max. output power: 150 W • Output level control • Line-level input • Frequency response: 27 Hz–150 Hz • WHD: 230 x 425 x 412 mm • 9.1 kg



Creating the Right Vibe Where It's Needed Most

CBX-100 CD Receiver System

CD Receiver Features

- 5 Watts for Each Channel
- Plays CDs, MP3-Encoded CDs and WMA-Encoded CDs*
- Slot-in CD Loading Mechanism
- 3-Mode Preset EQ Function
- Navigation Mode for MP3/WMA
- 25-Track Programming
- Random/Memory/I-Folder Play Modes
- 2 Repeat Modes (Track/Full)
- 4 Timer Mode Settings (Once/Every/Everyday/Days Set)

DISC COMPACT DIGITAL AUDIO MP3 WMA MODE RDS RI

- Sleep Timer
 - Snooze Function
 - 30 FM/AM Presets
 - Automatic FM/AM Scan Tuning
 - RDS & AccuClock
 - Battery-Free Memory Backup
 - Headphone Jack
 - Compatible with RI Dock for the iPod
 - RI (Remote Interactive) Compatible Remote Control
- *Discs that have not been properly finalised may only be partially playable or not playable at all.



Speaker Features

- 8 cm Full-Range Bass Reflex OMF Diaphragm
- Aero Acoustic Drive for Powerful and Natural Sound
- Separated Speaker Enclosures for Improved Sound Quality
- Braced Enclosure to Prevent Unwanted Vibrations
- Magnetically Shielded

OMF OPTIMIZED MAGNETIC FIELD

- WHD: 435 x 138 x 231.5 mm
- 4.2 kg



Enliven Any Room with Elegant Style and Crisp, Clear Sound

CR-L5PA CD Receiver/Speaker Package

CR-L5 SILVER

Ultra-Slim CD Receiver

- 50 W/Ch, Continuous 4 Ω, 1 kHz, DIN
- Single-Bit DAC
- VLSC (Vector Linear Shaping Circuitry)
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance Drive
- Direct Mode Function
- 2 Digital Outputs (Optical/Coaxial)
- Subwoofer Pre Out
- Speaker A/B Drive
- Compatible with RI Dock for the iPod
- Full-Function RI (Remote Interactive) Remote Control

D-N3X

2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Magnetically Shielded
- Extensively Braced MDF Cabinet
- Impedance: 5 Ω
- Max. Input Power: 70 W
- Frequency Response: 60 Hz–35 kHz
- WHD: 130 x 220 x 216 mm
- 2.9 kg



CR-L5, D-N3X

Do More with Your iPod—with Onkyo's Imaginative Sight and Sound



DS-A2X [WHITE] [BLACK]

Remote Interactive Dock

Superb Audio and Video Playback

Not just for music, but video and photos, too.



Control From Afar

Now with its own dedicated remote control



Charged and Ready to Go

Perfect as a charging station



Easier Viewing of Your Track Lists

Displays music track lists with information about artists, albums, songs and genres



Remote Interactive (RI) Capabilities

Brings Auto Selector, Time Play/Sleep Timer, Alarm functions



• WHD: 112 x 60 x 112 mm • 230 g

iPod Models Compatible with the DS-A2X (as of July 2007)

- 5th generation iPod with video
 - iPod nano
 - iPod photo
 - iPod mini
 - 4th generation iPod with click wheel
- (1st, 2nd and 3rd generation iPods are not supported.)

DS-A1X [WHITE] [BLACK]

Remote Interactive Dock

Control From Afar

RI-connectivity brings effortless remote control to your iPod's vast library of music—or digital photos—without you having to budge from the sofa.



Pristine Onkyo Playback

Put those earphones down and give your iPod music a turbo-boost. The DS-A1X provides the link to an absorbing room-filling sound experience.



Relive Those Magical Moments

Share those memorable photos through your home theatre's larger display by connecting your photo-enabled iPod with the DS-A1X.



Charged and Ready to Go

More than just a conduit to your audio system, the DS-A1X also works as a charging station. So, while you're powering up your favourite tunes, your iPod's powering up too.



• Auto Selector Function

• Time Play/Sleep Timer Function

• Alarm Function

• JPEG Capable

• All Cables Included (RI, Audio/Video, Power)

• WHD: 112 x 60 x 112 mm • 220 g

iPod Models Compatible with the DS-A1X (as of July 2007)

- 5th generation iPod with video
- iPod nano
- iPod photo
- iPod mini
- 4th generation iPod with click wheel

(1st, 2nd and 3rd generation iPods are not supported.)

GLOSSARY

DOLBY® TRUEHD

Dolby TrueHD is Dolby's next-generation lossless technology developed for high-definition disc-based media. Dolby TrueHD audio is bit-for-bit identical to the highest-resolution studio masters. Together with high-definition video, it offers an unprecedented home theatre experience. Now listeners can enjoy sound as stunning as their high-definition pictures. Dolby TrueHD is a mandatory standard for the HD DVD format and an optional standard for Blu-ray Disc.



DOLBY® DIGITAL PLUS

Dolby Digital Plus provides the flexibility and efficiency to deliver more channels of compelling surround sound for high-definition video via cable and direct broadcast satellite (DBS), via disc-based media, and via online content. The superior coding efficiencies enable a high-quality multichannel audio experience without negatively impacting bit budgets allocated for video performance or additional feature sets.



DTS-HD® MASTER AUDIO

DTS-HD Master Audio is capable of delivering audio that is bit-for-bit identical to the studio master DTS-HD Master Audio delivers audio at super-high variable bit rates—24.5 mega-bits per second (Mbps) on Blu-ray Disc and 18.0 Mbps on HD DVD—that are significantly higher than on standard DVDs. This bit stream is so fast, and the transfer rate so high, that it can deliver 7.1 audio channels that are identical to the studio master. With DTS-HD Master Audio, you will be able to experience movies and music exactly as the artist intended: clear, pure, and uncompromised.



DTS-HD® HIGH RESOLUTION AUDIO

DTS-HD High Resolution Audio can deliver up to 7.1 channels that are virtually indistinguishable from the original. DTS-HD High Resolution Audio delivers audio at high constant bit rates superior to those on standard DVDs—6.0 Mbps on Blu-ray Disc and 3.0 Mbps on HD DVD. It allows content creators to deliver rich, high-definition audio on movies where disc space may not allow for DTS-HD Master Audio.



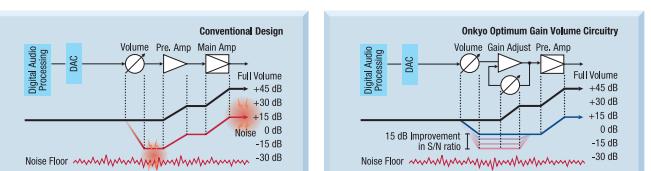
MEETING THX™ BENCHMARKS IN THX CERTIFICATION

From early design concepts to product rollout, THX and Onkyo work together on selected A/V receivers. Every detail is meticulously mapped to THX performance standards: either THX™ Ultra2™ or THX™ Select2™. THX engineers spend countless hours testing and analysing sound quality, usability and interoperability. In addition, they perform qualitative evaluations on the A/V receivers to ensure surround-sound presentations worthy of THX certification.



OPTIMUM GAIN VOLUME CIRCUITY

To produce volume at low levels, conventional amplifiers must initially drop a signal close to the noise floor, permanently tainting it with a small amount of noise. When amplified, both the signal and the unwanted noise are magnified. Optimum Gain Volume Circuitry adjusts the gain so that less than half the amount of attenuation is needed, ensuring the signal never comes close to the noise floor. This protects the signal against noise, resulting in a dramatically clearer sound.



PURE AUDIO MODE

Pure Audio Mode turns off the A/V receiver's display and keeps video in the digital domain (via HDMI) to ensure that the audio signal is protected against interference from external circuitry.

CINEMAFILTER™

The tonal balance of a film soundtrack can be edgy and bright when played back over audio equipment in your home—this is because film soundtracks are designed to be played back in large cinemas, using commercial equipment. Onkyo has developed its own solution that restores the correct tonal balance of a movie soundtrack in the smaller environs of your home theatre.



DOLBY® DIGITAL • PLUS

Dolby Digital Plus provides the flexibility and efficiency to deliver more channels of compelling surround sound for high-definition video via cable and direct broadcast satellite (DBS), via disc-based media, and via online content. The superior coding efficiencies enable a high-quality multichannel audio experience without negatively impacting bit budgets allocated for video performance or additional feature sets.



DTS-HD® MASTER AUDIO

DTS-HD Master Audio is capable of delivering audio that is bit-for-bit identical to the studio master DTS-HD Master Audio delivers audio at super-high variable bit rates—24.5 mega-bits per second (Mbps) on Blu-ray Disc and 18.0 Mbps on HD DVD—that are significantly higher than on standard DVDs. This bit stream is so fast, and the transfer rate so high, that it can deliver 7.1 audio channels that are identical to the studio master. With DTS-HD Master Audio, you will be able to experience movies and music exactly as the artist intended: clear, pure, and uncompromised.



DTS-HD® HIGH RESOLUTION AUDIO

DTS-HD High Resolution Audio can deliver up to 7.1 channels that are virtually indistinguishable from the original. DTS-HD High Resolution Audio delivers audio at high constant bit rates superior to those on standard DVDs—6.0 Mbps on Blu-ray Disc and 3.0 Mbps on HD DVD. It allows content creators to deliver rich, high-definition audio on movies where disc space may not allow for DTS-HD Master Audio.



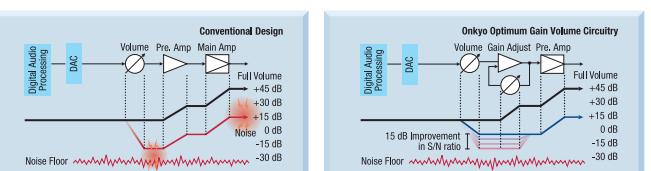
MEETING THX™ BENCHMARKS IN THX CERTIFICATION

From early design concepts to product rollout, THX and Onkyo work together on selected A/V receivers. Every detail is meticulously mapped to THX performance standards: either THX™ Ultra2™ or THX™ Select2™. THX engineers spend countless hours testing and analysing sound quality, usability and interoperability. In addition, they perform qualitative evaluations on the A/V receivers to ensure surround-sound presentations worthy of THX certification.



OPTIMUM GAIN VOLUME CIRCUITY

To produce volume at low levels, conventional amplifiers must initially drop a signal close to the noise floor, permanently tainting it with a small amount of noise. When amplified, both the signal and the unwanted noise are magnified. Optimum Gain Volume Circuitry adjusts the gain so that less than half the amount of attenuation is needed, ensuring the signal never comes close to the noise floor. This protects the signal against noise, resulting in a dramatically clearer sound.



PURE AUDIO MODE

Pure Audio Mode turns off the A/V receiver's display and keeps video in the digital domain (via HDMI) to ensure that the audio signal is protected against interference from external circuitry.

THEATER DIMENSIONAL

Onkyo's exclusive Theater Dimensional circuitry takes the complexity out of conventional surround-sound set-ups and lets you experience the excitement of surround sound from as few as two ordinary speakers. Want more? Theater Dimensional's unique multi-speaker modes let you place up to five speakers conveniently by the TV, for the most realistic virtual-surround sound possible.

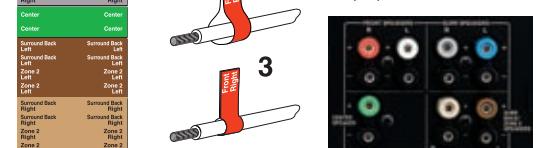


INTELLIVOLUME

More often than not, the components connected to your A/V receiver are set at different volume levels. With IntelliVolume, you can customise the input volume settings for all of the inputs connected to the A/V receiver. You can vary the settings from -12dB to +12dB to achieve even levels when switching from one component to another.

COLOUR-CODED SPEAKER TERMINALS

These colour-coded speaker terminals take the guesswork out of matching wires to the correct terminals. Simply attach the colour-coded label to the speaker cable, and attach the cable to the same-coloured speaker terminal for easy speaker connection.



CROSSOVER ADJUSTMENT

Depending on your choice of Onkyo A/V receiver, you can set the subwoofer crossover at different frequencies. Being able to choose where the subwoofer takes over bass-producing responsibilities from the front speakers gives you more precise reproduction of movie soundtracks. It also means you can select from a wider range of speaker packages, and match speakers with differing crossover frequencies to your home theatre system.

ONKYO MICRO FIBER (OMF), A-OMF & A-OMF MONOCOQUE

Onkyo Micro Fiber (OMF), made from a pure cotton weave to absorb vibrations, was first developed to create a thick yet rigid diaphragm that enables an extremely fast, accurate response. The next stage saw the advent of A-OMF, which incorporates a PEN (polyethylene naphthalate) layer with a flexible cotton weave that makes speaker cones even stronger and more resistant to heat. We then added an aramid layer to create New A-OMF. The evolution has been taken a step further with A-OMF Monocoque—essentially sharing the same material composition as New A-OMF but forming a single, continuous cover over the cone. All four diaphragm types achieve improved midrange clarity and imaging for an astonishingly vivid, natural sound.



FEATURES

A/V RECEIVERS	TX-NR905	TX-SR875	TX-SR805	TX-SR705	TX-SR605	TX-SR505E	HT-R508
HIGH-DEFINITION FEATURES							
DOLBY® TRUEHD, DOLBY® DIGITAL PLUS	✓	✓	✓	✓	✓		
DTS-HD™ MASTER AUDIO, DTS-HD™ HIGH RESOLUTION	✓	✓	✓	✓	✓		
HDMI VERSION	1.3a	1.3a	1.3a	1.3a	1.3a	Pass-thru	Pass-thru
HDMI INPUTS/OUTPUTS	4/2	4/1	3/1	2/1	2/1	2/1	
VIDEO PROCESSING	✓ (HQV Reon-VX)	✓ (HQV Reon-VX)	✓ (Faroudja DCDi Edge™)	✓ (Faroudja DCDi Edge™)	✓ (Faroudja DCDi Edge™)		
1080P VIDEO RESOLUTION	✓	✓	✓	✓	✓		
1080P VIDEO UPSCALING	✓	✓	✓	✓	✓		
RIHD	✓	✓	✓	✓	✓		
AMPLIFIED DESIGN							
DUAL PUSH-PULL AMPLIFICATION	✓	✓	✓				
HIGH CURRENT LOW IMPEDANCE DRIVE	✓	✓	✓				
H.C.P.S.	✓ (Toroidal)	✓	✓				
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓	✓				
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓ (For all channels)	✓ (For all channels)	✓				
NON-SCALING CONFIGURATION	✓	✓	✓				
192 kHz/24-Bit AUDIO DACs	Burr-Brown	Burr-Brown	Burr-Brown	Cirrus Logic	✓	✓	✓
ALL DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓	✓	✓	✓	✓
OPTIMUM GAIN VOLUME CIRCUITRY	✓	✓	✓	✓	✓	✓	✓
Bi-AMPING	✓	✓	✓	✓	✓		
BTL (BRIDGED TRANSLESS OR BRIDGING)	✓	✓	✓				
HOME THEATRE/NETWORK FEATURES							
THX® CERTIFIED	✓ (Ultra2)	✓ (Ultra2)	✓ (Ultra2)	✓ (Select2)	✓ (Audyssey MultEQ® XT)	✓ (Audyssey 2EQ™)	✓ (Audyssey 2EQ™)
ROOM CALIBRATION	✓ (Audyssey MultEQ® XT)	✓ (Audyssey MultEQ® XT)	✓ (Audyssey MultEQ® XT)	✓ (Audyssey MultEQ® XT)	✓ (Audyssey 2EQ™)	✓ (Audyssey 2EQ™)	
NETWORK CONNECTIVITY	✓	✓	✓	✓	✓	✓	
DTS®, DTS®-ES™ DISCRETE/MATRIX, DTS® Neo:6, DTS® 96/24	✓	✓	✓	✓	✓	✓	
DOLBY® DIGITAL, DOLBY® PRO LOGIC® IIx, DOLBY® DIGITAL EX™	✓	✓	✓	✓	✓	✓	
HDMI UPCONVERSION	✓	✓	✓	✓	✓	✓	
HDMI SWITCHING	✓	✓	✓	✓	✓	✓	
COMPONENT VIDEO UPCONVERSION	✓	✓	✓	✓	✓	✓	
COMPONENT VIDEO SWITCHING	✓	✓	✓	✓	✓	✓	
COMPONENT VIDEO INPUTS/OUTPUT	3/1	3/1	3/1	3/1	3/1	3/1	3/1
32-BIT DSP CHIP	TI x 3	TI x 3	TI x 3	TI x 3	TI x 1	TI x 1	TI x 1
ZONE 2	✓ (Audio/Video)	✓ (Audio/Video)	✓ (Audio)	✓ (Audio)	✓ (Audio)	✓ (Audio)	
ZONE 3	✓ (Audio)	✓ (Audio)	✓ (Audio)	✓ (Audio)			
ON-SCREEN DISPLAY	✓	✓	✓	✓			
CROSSOVER ADJUSTMENT	✓	✓	✓	✓			
A/V SYNC	✓ (Up to 250 ms)	✓ (Up to 250 ms)	✓ (Up to 250 ms)	✓ (Up to 250 ms)	✓ (Up to 100 ms)	✓ (Up to 100 ms)	✓ (Up to 100 ms)
MULTICHANNEL INPUTS	7.1	7.1	7.1	7.1	7.1	7.1	5.1
AUDIO & A/V INPUTS	2/6	2/6	2/6	2/5	2/4	2/4	
FRONT-PANEL VIDEO INPUT	✓	✓	✓	✓	✓	✓	
S-VIDEO INPUTS/OUTPUTS	6/2	6/2	6/2	5/2	3/2	3/2	
DIGITAL INPUTS	3 Optical/3 Coaxial	3 Optical/3 Coaxial	3 Optical/3 Coaxial	3 Optical/3 Coaxial	2 Optical/2 Coaxial	2 Optical/2 Coaxial	
DIGITAL OUTPUTS	1 Optical	1 Optical	1 Optical	1 Optical			
USB PORT	✓						
PRE OUTS	7 ch	7 ch	7 ch	7 ch			
SUBWOOFER PRE OUT	✓	✓	✓	✓	✓	✓	
OTHER FEATURES							
PHONE INPUT	✓	✓	✓	✓			
HEADPHONE JACK	✓	✓	✓	✓			
SPEAKER A/B DRIVE	✓						
RADIO TUNING	Internet/FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM
NEURAL-THX® SURROUND DECODER	✓	✓	✓	✓			
PURE AUDIO MODE	✓	✓	✓	✓			
INTELLIVOLUME	✓	✓	✓	✓			
TONE CONTROL	7.1 ch	7.1 ch	7.1 ch	L/R	L/R	L/R	
DUAL BANANA PLUG-COMPATIBLE SPEAKER POSTS	✓ (Customised, gold-plated)	✓ (Customised, gold-plated)	✓ (Customised, gold-plated)	✓ (Except SP-B)	✓		
COLOUR-CODED SPEAKER TERMINALS	✓	✓	✓	✓			
RS232, IR, & 12V TRIGGER CONNECTIVITY	✓	✓	✓	✓			
RI & IPOD DOCK CONNECTIVITY	✓	✓	✓	✓			
RI REMOTE CONTROL	Prepro/Learning	Prepro/Learning	Prepro/Learning	Prepro	Prepro	Prepro	
MACRO FUNCTION	✓	✓	✓	✓			
COLOUR	Silver or Black	Black or Silver	Silver or Black	Black or Silver	Silver or Black	Silver	

FEATURES

DVD/CD PLAYERS	DV-SP504E	DV-SP405	DV-SP305	HOME STYLE COMPONENTS	DR-S501	
DVD-AUDIO PLAYBACK						
SUPER AUDIO CD PLAYBACK	✓	✓	✓	POWER OUTPUT*3 (6 Ω, 1 kHz, IEC)	50 W/Ch	
MP3 PLAYBACK	✓	✓	✓	DOLBY® DIGITAL	✓	
WMA PLAYBACK	✓	✓	✓	DTS®, DTS® 96/24	Pass-thru	
MPEG-4 PLAYBACK	✓	✓	✓	HDMI VERSION	1/1	
DIVX® VIDEO PLAYABLE	✓	✓	✓	HDMI INPUTS/OUTPUTS	1	
CD-R/RW PLAYBACK CAPABILITY*1	✓	✓	✓	COMPONENT VIDEO OUTPUT	1 Optical/1 Coaxial	
DVD-R/RW PLAYBACK CAPABILITY*1	✓	✓	✓	DIGITAL INPUTS	2	
DTS®/DOLBY® DIGITAL AUDIO OUTPUT	✓	✓	✓	A/V INPUT	1	
DIRECT DIGITAL PATH	✓	✓	✓	VIDEO OUTPUT	1	
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	✓	SUBWOOFER PRE OUT	✓	
PROGRESSIVE SCAN (PAL/NTSC)	✓	✓	✓	PURE DIRECT MODE	✓	
HD CONVERSION	✓	✓	✓	AUDIO DAC	192 kHz/24-Bit	
HDMI OUTPUT	✓	✓	✓	THEATER DIMENSIONAL	✓	
USB INTERFACE	✓	✓	✓	FM/AM RADIO PRESETS	40	
96 kHz-48 kHz SELECTABLE DIGITAL OUTPUT	✓	✓	✓	RI & IPOD DOCK CONNECTIVITY	✓	
COMPOSITE VIDEO OUTPUT	✓	✓	✓	DUAL BANANA PLUG-COMPATIBLE SPEAKER POSTS	✓	
S-VIDEO OUTPUT	✓	✓	✓	DVD PLAYER SECTION		
COMPONENT VIDEO OUTPUT	✓	✓	✓	DVD-AUDIO PLAYBACK	✓	
RGB VIDEO OUTPUT	✓	✓	✓	SUPER AUDIO CD PLAYBACK	✓	
DIGITAL OUTPUTS	1 Optical/1 Coaxial	1 Coaxial	1 Coaxial	DIVX® VIDEO PLAYABLE	✓	
ANALOGUE AUDIO OUTPUT	✓	✓	✓	MP3 PLAYBACK*1	✓	
AUDIO DAC	192 kHz/24-Bit	96 kHz/24-Bit	96 kHz/24-Bit	WMA PLAYBACK	✓	
VIDEO DAC	108 MHz/14-Bit	108 MHz/12-Bit	54 MHz/10-Bit	PROGRESSIVE SCAN	✓	
DYNAMIC RANGE CONTROL	✓	✓	✓	VIDEO DAC	108 MHz/14-Bit	
VIDEO LEVEL CONTROL	✓	✓	✓			
PROGRAMMED MEMORY PLAYBACK	✓	✓	✓			
MULTI-LANGUAGE ONSCREEN DISPLAY	✓	✓	✓			
COLOUR	Black or Silver	Silver or Black	Silver			
INTEGRATED AMPLIFIERS	A-9755	A-9555	A-9355	A-9155	A-1VL	A-933
POWER OUTPUT (8 Ω, 1 kHz, DIN)	150 W/Ch	100 W/Ch	70 W/Ch (4 Ω, 1 kHz, 2 channels driven, IEC)	65 W/Ch (4 Ω, 1 kHz, 2 channels driven, IEC)	100 W/Ch	80 W/Ch
DYNAMIC POWER*2 (4 Ω)	270 W/Ch	200 W/Ch	75 W/Ch	90 W/Ch	240 W/Ch	220 W/Ch
VL DIGITAL TECHNOLOGY	✓	✓	✓			
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓			
AUDIO INPUTS/OUTPUTS	6/2	6/2	5/2			
PRE OUT						
MAIN IN	✓					
PHONO INPUT	✓	✓	✓			
DIRECT FUNCTION	✓	✓	✓			
SPEAKER A/B DRIVE	✓	✓	✓			
HEAVY-DUTY SPEAKER BINDING POSTS	✓	✓	✓			
HEADPHONE JACK	✓	✓	✓			
RI REMOTE CONTROL	✓	✓	✓			
COLOUR	Silver or Black	Silver or Black	Silver or Black	Silver or Black	Silver	Silver or Black
CD PLAYERS	DX-755	DX-735	C-1VL	C-733	DX-C390	
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	✓	✓	✓	
DIRECT DIGITAL PATH	✓	✓	✓	✓	✓	
SUPER HIGH-PRECISION CLOCK	✓	✓	✓	✓	✓	
MP3 CD PLAYBACK	✓	✓	✓	✓	✓	
DIGITAL OUTPUT ON/OFF	✓		✓			
NUMBER OF REPEAT MODES	4	5	4	3	6	
MEMORY PLAYBACK STEPS	25	25	25	25	40	
SHUFFLE/RANDOM PLAY	By Remote	By Remote	By Remote	✓	✓	
DIGITAL OUTPUT	1 Optical/1 Coaxial	1 Optical/1 Coaxial	2 Optical/1 Coaxial	2 Optical	1 Optical/1 Coaxial	
ANALOGUE OUTPUT	✓	✓	✓			
HEADPHONE JACK WITH VOLUME CONTROL	✓	✓	✓			
RI REMOTE CONTROL	✓	✓	✓			
COLOUR	Silver or Black	Silver or Black	Silver	Silver or Black	Silver or Black	
TUNERS	T-433	T-				

SPECIFICATIONS

A/V RECEIVERS	TX-NR905	TX-SR875	TX-SR805	TX-SR705	TX-SR605	TX-SR505E	HT-R508
AMPLIFIER SECTION							
Power Output							
Front L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Centre	220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Surround L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Surround Back L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Dynamic Power							
400 W (3 Ω, 1 ch)	320 W (3 Ω, 1 ch)	300 W (3 Ω, 1 ch)	240 W (3 Ω, 1 ch)	210 W (3 Ω, 1 ch)	180 W (3 Ω, 1 ch)	210 W (3 Ω, 1 ch)	210 W (3 Ω, 1 ch)
300 W (4 Ω, 1 ch)	270 W (4 Ω, 1 ch)	250 W (4 Ω, 1 ch)	210 W (4 Ω, 1 ch)	180 W (4 Ω, 1 ch)	160 W (4 Ω, 1 ch)	190 W (4 Ω, 1 ch)	190 W (4 Ω, 1 ch)
180 W (8 Ω, 1 ch)	160 W (8 Ω, 1 ch)	150 W (8 Ω, 1 ch)	120 W (8 Ω, 1 ch)	110 W (8 Ω, 1 ch)	100 W (8 Ω, 1 ch)	130 W (8 Ω, 1 ch)	130 W (8 Ω, 1 ch)
THD (Total Harmonic Distortion)	0.05%	0.05%	0.05%	0.08%	0.08%	0.08%	0.08%
Damping Factor	60 (Front, 1 kHz, 8 Ω)						
Input Sensitivity and Impedance	200 mV/47 kΩ (Line)						
2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)	2.5 mV/47 kΩ (Phono MM)
Output Level and Impedance	200 mV/470 Ω (Rec out)						
Phone Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	—	—	—	—	—
Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)
Tone Control	±10 dB, 20 Hz (Bass)	±10 dB, 20 Hz (Bass)	±10 dB, 50 Hz (Bass)				
±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)	±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	110 dB (Line, IHF-A)	110 dB (Line, IHF-A)	106 dB (Line, IHF-A)	106 dB (Line, IHF-A)	100 dB (Line, IHF-A)	100 dB (Line, IHF-A)	100 dB (Line, IHF-A)
Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω	8 Ω–16 Ω					
VIDEO SECTION							
Input Sensitivity/Output Level and Impedance							
Video	1 Vp-p/75 Ω (Component and S-Video Y)						
0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)	0.7 Vp-p/75 Ω (Component Pb/Cs, Pv/Cr)
0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)	0.28 Vp-p/75 Ω (S-Video C)
1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)	1 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz–100 MHz (-3 dB)	5 Hz–100 MHz (-3 dB)	5 Hz–100 MHz (-3 dB)	5 Hz–50 MHz (-3 dB)	5 Hz–50 MHz (-3 dB)	5 Hz–50 MHz (-3 dB)	5 Hz–50 MHz (-3 dB)
TUNER SECTION							
Tuning Frequency Range							
FM	87.5 MHz–108 MHz						
AM	522 kHz–1,611 kHz						
FM/AM Preset Memory	40 stations						
GENERAL							
Power Supply	AC 220–240 V, 50/60 Hz	AC 230 V, 50 Hz	AC 230 V, 50 Hz	AC 230 V, 50 Hz			
Power Consumption	1,000 W	870 W	870 W	600 W	630 W	570 W	560 W
Dimensions (W x H x D)	435 x 194 x 458.5 mm	435 x 194 x 458.5 mm	435 x 194 x 458.5 mm	435 x 174 x 377 mm	435 x 150 x 377 mm	435 x 150 x 377 mm	435 x 150 x 377 mm
Weight	24.3 kg	23.3 kg	23.3 kg	12.8 kg	11.5 kg	10.2 kg	10.2 kg

SPECIFICATIONS

A/V RECEIVERS	TX-NR905	TX-SR875	TX-SR805	TX-SR705	TX-SR605	TX-SR505E	HT-R508	INTEGRATED AMPLIFIERS	A-9755	A-9555	A-9355	A-9155	A-1VL	A-933
AMPLIFIER SECTION								Power Output (8 Ω, 1 kHz, DIN)	150 W/Ch	100 W/Ch	70 W/Ch (4 Ω, 1 kHz, 2 channels driven, IEC)	65 W/Ch (4 Ω, 1 kHz, 2 channels driven, IEC)	100 W/Ch	80 W/Ch
Power Output	Front L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)	Dynamic Power*	270 W/Ch; 170 W/Ch	200 W/Ch; 120 W/Ch	75 W/Ch; 38 W/Ch	90 W/Ch; 55 W/Ch	240 W/Ch; 130 W/Ch	220 W/Ch; 110 W/Ch
Centre	220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W (8 Ω, 1 kHz, 1 channel driven, IEC)	THD (1 kHz, 1 W)	0.08 %	0.06 %	0.08 %	0.08 %	0.08 %	0.08 %
Surround L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)	Damping Factor (8 Ω, 1 kHz)	25	25	60	60	25	25
Surround Back L/R	220 W + 220 W (6 Ω, 1 kHz, 1 channel driven, IEC)	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)	180 W + 180 W (6 Ω, 1 kHz, 1 channel driven, IEC)	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, IEC)	140 W + 140 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)	Sensitivity and Impedance						
Dynamic Power	400 W (3 Ω, 1 ch)	320 W (3 Ω, 1 ch)	300 W (3 Ω, 1 ch)	240 W (3 Ω, 1 ch)	210 W (3 Ω, 1 ch)	180 W (3 Ω, 1 ch)	210 W (3 Ω, 1 ch)	Phono MM	2.5 mV (50 kΩ)	2.5 mV (50 kΩ)	2.5 mV (50 kΩ)	2.5 mV (50 kΩ)	2.5 mV (50 kΩ)	2.5 mV (50 kΩ)
	300 W (4 Ω, 1 ch)	270 W (4 Ω, 1 ch)	250 W (4 Ω, 1 ch)	210 W (4 Ω, 1 ch)	180 W (4 Ω, 1 ch)	160 W (4 Ω, 1 ch)	190 W (4 Ω, 1 ch)	CD, Tuner, Tape Play	200 mV (50 kΩ)	200 mV (50 kΩ)	200 mV (50 kΩ)	150 mV (50 kΩ)	200 mV (50 kΩ)	200 mV (50 kΩ)
	180 W (8 Ω, 1 ch)	1												



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. THX, THX Ultra2, THX Select2, THX Ultra and THX Surround are trademarks of THX Ltd. THX may be registered in some jurisdictions. All rights reserved.

THX Surround EX/Dolby Digital Surround EX is a joint development of Dolby Laboratories and THX Ltd.

Dolby, Pro Logic, Surround EX, TrueHD and the double-D symbol are trademarks of Dolby Laboratories.

Dolby Virtual Speaker and Dolby Headphone are trademarks of Dolby Laboratories.

DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.

HQV is a registered trademark of Silicon Optix.

Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. MultEQ XT is a trademark of Audyssey Laboratories. 2EQ is a trademark of Audyssey Laboratories.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. Aureus is a trademark of Texas Instruments.

The Neural Surround name and related logos are trademarks owned by Neural Audio Corporation.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Faroudja DCDI Edge is a registered trademark of Genesis Microchip Inc.

The PlaysForSure logo, Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

NSV is a trademark of Analog Devices, Inc.

DivX® is a registered trademark of DivX, Inc.

Theater Dimensional, CinemaFILTER, OR-EQ, VLSC and OMF are trademarks of Onkyo Corporation.

All other trademarks and registered trademarks are the property of their respective holders.

ONKYO

IMAGINATIVE SIGHT & SOUND

Onkyo Corporation

2-1 Nishin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN
Tel: 81-72-831-8136 Fax: 81-72-833-5222 <http://www.onkyo.com/>

Onkyo Europe UK Office

Suite 1, Gregories Court, Gregories Road, Beaconsfield,
Buckinghamshire HP9 1HQ, UNITED KINGDOM
Tel: 44-1494-681515 Fax: 44-1494-680452 <http://www.onkyo.co.uk/>

Onkyo Europe Electronics GmbH

Liegnitzerstrasse 6, 82194 Gröbenzell, GERMANY
Tel: 49-8142-4401-0 Fax: 49-8142-4401-555 <http://www.eu.onkyo.com/>

UK GB

Catalog No. 07C12